

2 Please add the following claims

44. Recombinant host cells harboring a library of nucleic acid fragments comprising fragments encoding a genetically diverse population of a type of member of a specific binding pair, each specific binding pair member being expressed as a fusion with a gene III coat protein surface component of a filamentous bacteriophage so that said specific binding pair members are displayed on surface of bacteriophage particles in functional form comprising a binding domain for a complementary specific binding pair member and genetic material of each particle displaying a specific binding pair member encodes the associated displayed specific binding pair member, said genetic material being a phagemid genome which is plasmid nucleic acid containing a single stranded phage replication origin and a nucleotide sequence encoding a said fusion and which uses a helper phage for packaging into said particles whereby each particle has a coat partially derived from the helper phage and partly from a said fusion.

45. Recombinant host cells according to claim 44 wherein said genetically diverse population is derived from in vitro mutagenesis of nucleic acid encoding a specific binding pair member.

46. Recombinant host cells according to claim 45 wherein said specific binding pair member comprises a binding domain of an immunoglobulin.

47. Recombinant host cells according to claim 44 wherein said specific binding pair member comprises a binding domain of an immunoglobulin.

48. Recombinant host cells according to claim 47 wherein said genetically diverse population is derived from the repertoire of rearranged immunoglobulin genes of an animal immunized with complementary specific binding pair member.

49. Recombinant host cells according to claim 47 wherein said genetically diverse population is derived from the repertoire of rearranged immunoglobulin genes of an animal not immunized with complementary specific binding pair member.